

ABBREVIATIONS

| | |
|---|--|
| A abutment aggregate ahead alternate and others and wife approach asphalt average daily traffic | abut. aggr. AH alt. et al et ux appr. asph. ADT |
| B back balance point bearing beginning, begin bench mark both faces bridge | BK BP brg. beg. BM b.f. br. |
| C centerline center to center centers clear column concrete concrete box culvert construction construction joint contingent sum continuous corrugated corrugated metal pipe county creek culvert curve delta | C c-c ctrs. clr. col. conc. CBC constr. constr. jt. CTSM cont. corr. CMP Co. cr. culv. Δ |
| D decrement design hour volume diagonal diameter diaphragm distance district donation land claim drawing(s) | decr. DHV diag. dia. or D diaph. dist. Dist. DLC dwg(s). |
| E east edge of pavement edge of water edge of road elevation elevation with number embankment Engineer(s) equation excavation expansion joint exterior | E EOP EW ER elev. El. 94.066 emb. enr(s). EQ or eq. exc. exp. jt. ext. |
| F federal fill face finish footing for example galvanized gage (gauge) girder | Fed. f.f. fin. ftg. e.g. galv. ga. gdr. |
| H headwall hexagon high water highway homestead entry survey horizontal | hdwl. hex. HW hwy. HES horiz. |
| I inclusive, including increment ID inside diameter interior | incl. incr. ID int. |
| J joint | jt. |

| | |
|--|---|
| L lamination latitude left length of curve longitudinal low water lump sum | lam. lat. Lt. or LT L long. LW LPSM |
| M magnetic maintenance material maximum minimum monument mountain(s) | mag. maint. matl. max. min. mon. mtn(s). |
| N negative north normal crown number | neg. N NC no. or # |
| O on centers other face outside diameter | o.c. o.f. OD |
| P pavement perforate plate point of compound curve point of curve point on curve point of intersection point of spiral to curve point of curve to spiral point of spiral to tangent point on tangent point of tangent to spiral point of tangent pounds per square inch project | pvmt. perf. pl. PCC PC POC PI PSC or SC PCS or CS POS PST or ST POT PS or TS PT psi proj. quant., Qty |
| Q quantities | R |
| R radius range reconstruction reference hub reinforcement required reservoir Reservation retaining wall right right-of-way road roadway route | R R. reconst. RH reinf. reqd. res. Res. ret. wall Rt. or RT R/W rd. rdwy. rte. sch. SADT |
| S school seasonal average daily traffic section shoulder south spacing, Spaces or Spaced specification standard station stiffener straight street structural superelevation rate symmetrical tangent | sec. shldr. S spa. spec. std. sta. stiff. str. st. struc. e sym. tan. T TBM TCE |
| T tangent tangent length temporary bench mark temporary construction easement transverse township typical | transv. T. typ. |
| V vehicles per hour vertical vertical point of intersection | vph vert. VPI |
| W west | W |

DRAINAGE SYMBOLS

| | |
|--|--|
| Ditch (Existing, Proposed) | |
| Flow Arrow | |
| Drainage or Small Creek | |
| Lake, Pond or Reservoir | |
| Large Creek | |
| Wetland | |
| River | |
| Spring | |
| Bridge (Existing, Proposed) | |
| Box Culvert (Existing, Proposed) | |
| Pipe Culvert (Existing, Proposed) | |
| With End Sections (Existing, Proposed) | |
| With Headwalls (Existing, Proposed) | |
| With Drop Inlet (Existing, Proposed) | |
| Underdrain (Existing, Proposed) | |
| Riprap Apron (Proposed) | |

EROSION CONTROL SYMBOLS

| | |
|--|--|
| Mulching, Bonded Fiber Matrix | |
| Check Dam | |
| Diversion Berm | |
| Erosion Control Mat | |
| Riprap | |
| Sediment Log at: Culvert Inlet With End Section | |
| Culvert Inlet With Head and/or Wing Walls | |
| Ditch and/or Cut Slope | |
| Drop Inlet | |
| Slope Protection (Wattle) | |
| Silt Fence | |

FENCE & CATTLEGUARD SYMBOLS

| | |
|------------------------------------|--|
| Fence (Existing, Proposed) | |
| Fence w/ Gate (Existing, Proposed) | |
| Cattleguard (Existing, Proposed) | |

GEOLOGIC SYMBOLS

| | |
|--------------------------------------|--|
| Boring Location (Existing, Proposed) | |
| Material Source | |

| REG | STATE | PROJECT | SHEET NO. | TOTAL SHEETS |
|-----|-------|---------|-----------|--------------|
| | | | | |

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LANDSCAPING & VEGETATION SYMBOLS

Tree

Treeline

MAPPING SYMBOLS

Building (Existing, Proposed)

Coordinate Grid Tick

North Arrow

Railroad

Single Track

Double Track

Spot Elevation

Trail

Traverse Point (Horizontal & Vertical)

RIGHT-OF-WAY SYMBOLS

Boundaries

National

State

County

City

Township or Range Line

Section

1/4 Section

1/16 Section

Bureau of Indian Affairs

Bureau of Land Management

National Forest

National Park

National Wildlife Refuge

Easements

Construction & Maintenance

Permanent (Existing)

Permanent (Proposed)

Temporary (Proposed)

Monument (As described)

Parcel Number

Property Line

Right-of-Way Line (Existing)

Right-of-Way Line (Proposed)

Section Corner (Found, Projected)

1/4 Section Corner (Found, Projected)

1/16 Section Corner (Found)

GUARDRAIL, BARRIER & WALL SYMBOLS

Guardrail (Existing, Proposed)

Guardwall (Existing, Proposed)

Median & Side Barrier (Existing, Proposed)

Retaining Wall (Existing, Proposed)

ROADWAY SYMBOLS

Clearing/Construction Limits

Slope Stake Limits

Top of Cut

Transition

Toe of Fill

Edge of Roadway

Existing

Proposed

Roadway Centerline (With Station ticks)

Roadway Obliteration

SIGN SYMBOLS

Signs

Commercial (Existing, Proposed)

Delineator (Existing, Proposed)

Portable (Proposed)

Post Mounted (Existing, Proposed)

UTILITY SYMBOLS

Irrigation Ditch

Underground (Existing, Proposed)

Surface (Existing, Proposed)

Support Pole (Existing, Proposed)

Support Pole Anchor (Existing, Proposed)

Street Light (Existing, Proposed)

Telephone Booth (Existing, Proposed)

Telephone Pedestal (Existing, Proposed)

Underground Utility (Existing, Proposed)

CATV

Fiber Optic

Gas

Oil

Power

Sanitary Sewer

Telephone

Water

Overhead Utility Line (Existing, Proposed)

CATV

Fiber Optic

Power

Telephone

MISCELLANEOUS SYMBOLS

See Note 4

PROJECT SPECIFIC SYMBOLS

| REG | STATE | PROJECT | SHEET NO. | TOTAL SHEETS |
|-----|-------|---------|-----------|--------------|
| | | | | |

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY

CONVENTIONAL PLAN
SYMBOLS AND ABBREVIATIONS

Sheet 2 of 2

Instructions

(Conventional Plan Symbol & Abbreviations)

- Switch between models to get Metric or U.S. Customary Units Symbol Sheet and between Sheets 1 & 2.

| Name | Model |
|----------------------|----------------------|
| Graphics Views | Graphics |
| Metric Sheet 1 | Metric Sheet 1 |
| Metric Sheet 2 | Metric Sheet 2 |
| US Customary Sheet 1 | US Customary Sheet 1 |
| US Customary Sheet 2 | US Customary Sheet 2 |
| US Customary Sheet 1 | US Customary Sheet 1 |
| US Customary Sheet 2 | US Customary Sheet 2 |

The Symbol Sheet drawing contains five models: Metric(Sheet 1 & 2), U.S. Customary (Sheet 1 & 2) and the Graphics model which contains the actual graphics, abbreviations and linestyles. The Graphics model is referenced into the other models where the border and project information is located. **DO NOT MODIFY THE "GRAPHICS" MODEL.** Any project specific symbols shall be placed on Sheet 2 in the right hand column. You will need linestyle resource files attached in order for the linestyles to show up and print properly.

- Grey elements are notes for the user (They are construction elements and will not plot)
- Attach project Border to drawing; it will attach in the correct location.
- Paste continuation of "INDEX OF SHEETS" from Excel spreadsheet into drawing.

| | A | B | C |
|----|-----------------|---|---|
| 1 | INDEX TO SHEETS | | |
| 2 | SHEET | DESCRIPTION | |
| 3 | A1 | TITLE SHEET | |
| 4 | A2 | CONVENTIONAL PLAN SYMBOLS & ABBREVIATIONS | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | 14 | 55 | |
| 9 | | | |
| 10 | | | |
| 11 | | | |

Edit > Paste special



You can paste a picture of the spreadsheet or link it so it updates automatically

Place by corners and snap to grey box in Sheet 1 of Conventional Plan Symbols & Abbreviations